

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF NON-INVASIVE DETECTION ON THE SOUTH LEG OF THE INTERSECTION OF MD222 AND SOUTH ENTRANCE TO PERRYVILLE HIGH SCHOOL ST. MARKS CHURCH ROAD IN CECIL COUNTY. MD222 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

1. THIS INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA 6-PHASE, FULL-ACTUATED MODE, WITH THE MD 222 APPROACHES OPERATING CONCURRENTLY. THE NORTHBOUND AND SOUTHBOUND LEFT TURNS OPERATE IN AN EXCLUSIVE/PERMISSIVE MODE. THE PERRYVILLE HIGH SCHOOL ENTRANCE AND ST MARKS CHURCH ROAD APPROACHES OPERATE CONCURRENTLY. A PEDESTRIAN PHASE IS PROVIDED ACROSS THE EAST LEG OF THE INTERSECTION.

CONTACTS

DISTRICT

MR. TERRY WRIGHT  
DISTRICT ENGINEER  
PHONE NUMBER 410-810-3210

MR. JEFFREY WENTZ  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE NUMBER 410-810-3240

MR. BARRY CLOTHIER  
DISTRICT UTILITIES ENGINEER  
PHONE NUMBER 410-810-3275

MR. TURK BRADLEY  
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION  
PHONE NUMBER 443-572-5221

MR. HENRY TEETS  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE NUMBER 410-810-3250

OFFICE OF TRAFFIC AND SAFETY

CHIEF, TRAFFIC OPERATIONS  
410-787-7630

MR. ROBERT SNYDER  
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS  
410-787-7630

MR. ED RODENHIZER  
TEAM LEADER SIGNAL OPERATIONS  
410-787-7650

MS. DARLENE EIDE  
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)  
410-787-7668

EQUIPMENT LIST

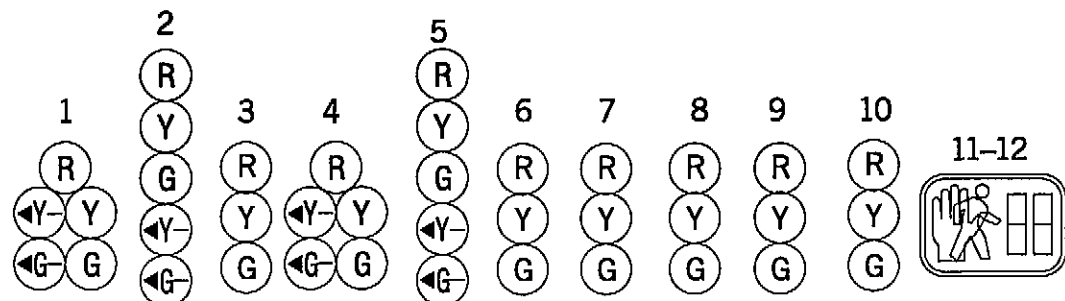
A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMISTRATION

ITEM NO./ CAT CODE	QUANTITY	DESCRIPTION
	NONE	

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

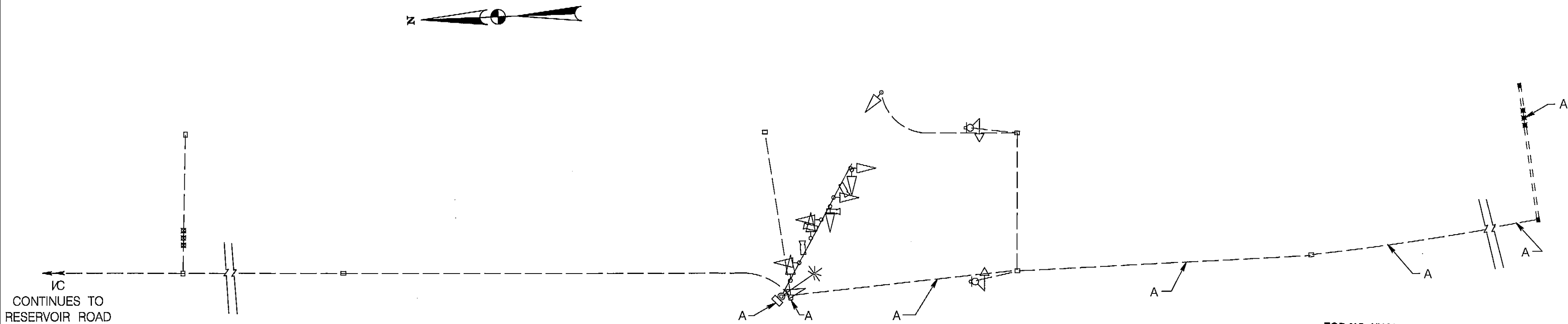
ITEM NO./ CAT CODE	QUANTITY	DESCRIPTION
1002	1 EA	MAINTANCE OF TRAFFIC
8007	1 LS	REMOVE & DISPOSE OF MATERIAL & EQUIPMENT PER ASSIGNMENT
8014	55 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - SLOTTED
8015	8 LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCH - TRENCHED
8017	1 EA	NON-INVASIVE DETECTOR, 1000 FOOT LEAD-IN CABLE
8018	2 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE

PHASE CHART



PHASE 1 AND 5	←G/R	←G/R	R	←G/R	←G/R	R	R	R	R	R	DW	
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6												
PHASE 1 AND 6	R	R	R	←G/G	←G/G	G	R	R	R	R	DW	
1 AND 6 CHANGE	R	R	R	←Y/G	←Y/G	G	R	R	R	R	DW	
PHASE 2 AND 5	←G/G	←G/G	G	R	R	R	R	R	R	R	DW	
2 AND 5 CHANGE	←Y/G	←Y/G	G	R	R	R	R	R	R	R	DW	
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	DW	
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	DW	
PHASE 4 AND 8	R	R	R	R	R	R	G	G	G	G	DW	
4 AND 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	DW	
ALT PHASE 4 AND 8	R	R	R	R	R	R	G	G	G	G	WALK	
PED CLEARANCE	R	R	R	R	R	R	G	G	G	G	FDW	
ALT 4 AND 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	

WIRING DIAGRAM



WIRING LEGEND  
A - NON-INVASIVE DETECTOR

TOD NO: XX662-05  
SHA NO: CE398B54  
MD 222 from US 40 to I-95



<b>SHA</b> STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION MD 222 AT SOUTH ENTRANCE TO PERRYVILLE HIGH SCHOOL ST MARKS CHURCH ROAD, PERRYVILLE MARYLAND		
<b>GENERAL INFORMATION</b>		
SCALE	NTS	ADVERTISED DATE 10/2012 CONTRACT NO. XX6625185
DESIGNED BY AMH	COUNTY CECIL	
DRAWN BY RLB	LOGMILE 07022201.61	
CHECKED BY JFL	TIMS NO. L497	
F.A.P. NO.	TOD NO. AT 355-01	
TS NO. 3347E	DRAWING SP-4 OF 4	SHEET NO. 4 OF 4